

Application Serial No. 09/720,762
Attorney Docket No. 114474.00014
Amendment and Response to Non-Final Office Action, Submitted August 11, 2010

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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

Claim 1 (currently amended): A gasket for a pre-filled syringe, the syringe comprising a barrel composed of an annular polyolefin resin into which liquid is charged, wherein a peripheral side surface of the gasket that contacts an inner surface of the syringe barrel is provided with a restriction, the restriction has an inner diameter with a ratio of ~~0.8~~ 0.93 or more and less than 1.0 to a diameter of the gasket, a periphery of a bottom surface of the gasket that is not for contact with the liquid is formed into a tapered slant, only the peripheral side surface that contacts the inner surface of the syringe barrel is laminated with polyethylene fluoride resin, and the gasket is made integrally of a material with JIS hardness of 55 to 60.

Claim 2 (canceled).

Claim 3 (previously presented): The gasket according to claim 1, wherein the tapered slant is defined by a first diameter extending to the peripheral side surface that contacts the inner surface of the syringe barrel, and a second diameter of a peripheral side surface of the gasket that is not for contact with the inner surface of the syringe barrel, wherein the first diameter and the second diameter differ by between about 0.5 mm and about 5 mm.

Claim 4 (canceled).

Claim 5 (canceled).

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Claim 6 (previously presented): The gasket according to claim 1, wherein the gasket has a diameter between peripheral side surfaces that contact the inner surface of the syringe barrel of between about 30 mm and about 35 mm.

Claim 7 (previously presented): The gasket according to claim 1, wherein the gasket has a height of between 15 mm and about 18 mm.

Claim 8 (previously presented): The gasket according to claim 3, wherein the first diameter and the second diameter differ by between about 1 mm and about 3 mm.

Claim 9 (currently amended): A gasket for a pre-filled syringe, the syringe comprising a barrel composed of a polyethylene fiber into which liquid is charged, wherein a peripheral side surface of the gasket that contacts an inner surface of the syringe barrel is provided with a restriction, the restriction has an inner diameter with a ratio of ~~0.8~~ 0.93 or more and less than 1.0 to a diameter of the gasket, only the peripheral side surface that contacts the inner surface of the syringe barrel is laminated with polyethylene fluoride resin, a periphery of a bottom surface of the gasket that is not for contact with the liquid is formed into a first tapered slant and a second tapered slant is formed between the peripheral side surface of the gasket that contacts the inner surface of the syringe barrel and the restriction; and the gasket is made integrally of a material with JIS hardness of 55 to 60.

Claim 10 (canceled).

Claim 11 (previously presented): The gasket according to claim 1, wherein the pre-filled syringe further comprises a luer lock portion formed in a nozzle of the syringe at an end of the syringe barrel opposite the gasket.

Claim 12 (canceled).

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Claim 13 (previously presented): The gasket according to claim 9, wherein the pre-filled syringe further comprises a luer lock portion formed in a nozzle of the syringe at an end of the syringe barrel opposite the gasket.

Claim 14 (canceled).

Claim 15 (canceled).

Claim 16 (canceled).

Claim 17 (canceled).

Claim 18 (canceled).

Claim 19 (previously presented): The gasket according to claim 9, wherein the first tapered slant is defined by a first diameter extending to the peripheral side surface that contacts the inner surface of the syringe barrel, and a second diameter of a peripheral side surface of the gasket that is not for contact with the inner surface of the syringe barrel, wherein the first diameter and the second diameter differ by between about 0.5 mm and about 5 mm.

Claim 20 (previously presented): The gasket according to claim 9, wherein the gasket has a diameter between peripheral side surfaces that contact the inner surface of the syringe barrel of between about 30 mm and about 35 mm.

Claim 21 (previously presented): The gasket according to claim 9, wherein the gasket has a height of between 15 mm and about 18 mm.

Claim 22 (previously presented): The gasket according to claim 19, wherein the first diameter and the second diameter differ by between about 1 mm and about 3 mm.

Claim 23 (canceled).

Claim 24 (canceled).

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Claim 26 (canceled).

Claim 27 (canceled).

Claim 28 (canceled).

Claim 29 (canceled).

Claim 30 (canceled).

Claim 31 (canceled).

Claim 32 (canceled).

Claim 33 (currently amended): A gasket for a pre-filled syringe, the syringe comprising a barrel composed of an annular polyolefin resin into which liquid is charged, wherein a peripheral side surface of the gasket that contacts an inner surface of the syringe barrel is provided with a restriction, the restriction has an inner diameter with a ratio of $0.8 \leq \frac{\text{inner diameter}}{\text{diameter of the gasket}} < 1.0$ or more and less than 1.0 to a diameter of the gasket, a periphery of a bottom surface of the gasket that is not for contact with the liquid is formed into a tapered slant, only the peripheral side surface that contacts the inner surface of the syringe barrel is laminated with silicon, and the gasket is made integrally of a material with JIS hardness of 55 to 60.

Claim 34 (previously presented): The gasket according to claim 33, wherein the tapered slant is defined by a first diameter extending to the peripheral side surface that contacts the inner surface of the syringe barrel, and a second diameter of a peripheral side surface of the gasket that is not for contact with the inner surface of the syringe barrel, wherein the first diameter and the second diameter differ by between about 0.5 mm and about 5 mm.

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Claim 35 (previously presented): The gasket according to claim 33, wherein the gasket has a diameter between peripheral side surfaces that contact the inner surface of the syringe barrel of between about 30 mm and about 35 mm.

Claim 36 (previously presented): The gasket according to claim 33, wherein the gasket has a height of between 15 mm and about 18 mm.

Claim 37 (previously presented): The gasket according to claim 34, wherein the first diameter and the second diameter differ by between about 1 mm and about 3 mm.

Claim 38 (canceled).

Claim 39 (previously presented): The gasket according to claim 33, wherein the pre-filled syringe further comprises a luer lock portion formed in a nozzle of the syringe at an end of the syringe barrel opposite the gasket.

Claim 40 (previously presented): The gasket according to claim 33, wherein a second tapered slant is formed between the peripheral side surface of the gasket that contacts the inner surface of the syringe barrel and the restriction.

Claim 41 (canceled).

REMARKS/ARGUMENTS

Claims 1, 3, 6-9, 11, 13, 19-22, and 33-37 and 39-40 are now pending, a total of 19 claims. Independent claims 1, 9, and 33 are currently amended. Support for the amendments can be found, for example, on pages 4 and 5 of the specification as filed. Claims 2, 4-5, 10, 12, 14-18, 23-32, 38 and 41 are canceled.